Bruhath Bengalore Mahanagara Palike

Modified Estimate

Name of Work: Asphalting to roads at Manjunathanagara and surrounding areas in Ward No. 14 Bagalagunte

Name of Agency: M.S.V.Constructions Company

Job Code No : 014-19-000025

Work Order No : EE/DD/W.O/569/2020-21 Dated: | **Estimated Cost:** | **250.00** | **Lakhs**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
1	**Removing and refixing stone slabs of drains and Pointing in CM (1:3)**								
	Manjunathanagara								
	Soap factory main road								
		2	908.00	0.90		1634.40			
	shree Vinayaka nagar								
	1st main road								
		2	225.00	0.90		405.00			
	2nd main road								
		2	141.00	0.90		253.80			
	3rd main road								
		2	225.00	0.90		405.00			
	1st cross road from 1st main road to 3rd Main								
		2	80.00	0.90		144.00			
	2nd cross road from 3rd Main to Dead end								
		2	85.00	0.90		153.00			
	3rd cross road from 3rd Main to Dead end								
		2	77.00	0.90		138.60			
	4th cross road from 3rd Main to Dead end								
		2	102.00	0.90		183.60			
	Cross Road From 4th cross road to Dead end								
		2	20.00	0.90		36.00			
	Coconet Garden								
	Main Road								
		2	141.00	0.90		253.80			
	1st cross Road								
		2	46.40	0.90		83.52			
	2nd cross Road								
		2	46.00	0.90		82.80			
	3rd cross Road								
		2	46.00	0.90		82.80			
	4th cross Road								
		2	56.00	0.90		100.80			
	5th cross Road								
		2	45.00	0.90		81.00			
	6th cross Road								
		2	35.00	0.90		63.00			
	8th cross Road manjunath Nagara								
		2	197.00	0.90		354.60			
	pepsi godown 1st cross								
		2	140.00	0.90		252.00			
	pepsi godown 3rd cross								
		2	112.00	0.90		201.60			
						4909.32			
	Missing & Broken slab 25%					1227.33			
				Total Qty		3681.99	Sqm		
			As per Agreement Qty			430.20	Sqm	116.87	50277.47
			Upto 125% Qty			107.55	Sqm	116.87	12569.37
			Above 125%			3144.24	Sqm	116.87	367451.61
			Total Qty			3681.99	Sqm		

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
2	**Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter**								
	For Desilting								
	Manjunathanagara								
	Soap factory main road								
		2	908.00	0.45	0.40	326.88			
	shree Vinayaka nagar								
	1st main road								
		2	225.00	0.45	0.40	81.00			
	2nd main road								
		2	141.00	0.45	0.40	50.76			
	3rd main road								
		2	225.00	0.45	0.40	81.00			
	1st cross road from 1st main road to 3rd Main								
		2	80.00	0.45	0.40	28.80			
	2nd cross road from 3rd Main to Dead end								
		2	85.00	0.45	0.40	30.60			
	3rd cross road from 3rd Main to Dead end								
		2	77.00	0.45	0.40	27.72			
	4th cross road from 3rd Main to Dead end								
		2	102.00	0.45	0.40	36.72			
	Cross Road From 4th cross road to Dead end								
		2	20.00	0.45	0.40	7.20			
	Coconet Garden								
	Main Road								
		2	141.00	0.45	0.40	50.76			
	1st cross Road								
		2	46.40	0.45	0.40	16.70			
	2nd cross Road								
		2	46.00	0.45	0.40	16.56			
	3rd cross Road								
		2	46.00	0.45	0.40	16.56			
	4th cross Road								
		2	56.00	0.45	0.40	20.16			
	5th cross Road								
		2	45.00	0.45	0.40	16.20			
	6th cross Road								
		2	35.00	0.45	0.40	12.60			
	8th cross Road manjunath Nagara								
		2	197.00	0.45	0.40	70.92			
	pepsi godown 1st cross								
		2	140.00	0.45	0.40	50.40			
	pepsi godown 3rd cross								
		2	112.00	0.45	0.40	40.32			
	For Road cutting								
	Manjunathanagara								
	Soap factory main road								
		2	908.00	0.90	0.25	408.60			
	shree Vinayaka nagar								
	1st main road								
		2	225.00	0.90	0.25	101.25			
	2nd main road								
		2	141.00	0.90	0.25	63.45			
	3rd main road								
		2	225.00	0.90	0.25	101.25			
	1st cross road from 1st main road to 3rd Main								
		2	80.00	0.90	0.25	36.00			
	2nd cross road from 3rd Main to Dead end								

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
		2	85.00	0.90	0.25	38.25			
	3rd cross road from 3rd Main to Dead end								
		2	77.00	0.90	0.25	34.65			
	4th cross road from 3rd Main to Dead end								
		2	102.00	0.90	0.25	45.90			
	Cross Road From 4th cross road to Dead end								
		2	20.00	0.90	0.25	9.00			
	Coconet Garden								
	Main Road								
		2	141.00	0.90	0.25	63.45			
	1st cross Road								
		2	46.40	0.90	0.25	20.88			
	2nd cross Road								
		2	46.00	0.90	0.25	20.70			
	3rd cross Road								
		2	46.00	0.90	0.25	20.70			
	4th cross Road								
		2	56.00	0.90	0.25	25.20			
	5th cross Road								
		2	45.00	0.90	0.25	20.25			
	6th cross Road								
		2	35.00	0.90	0.25	15.75			
	8th cross Road manjunath Nagara								
		2	197.00	0.90	0.25	88.65			
	pepsi godown 1st cross								
		2	140.00	0.90	0.25	63.00			
	pepsi godown 3rd cross								
		2	112.00	0.90	0.25	50.40			
	For New Road								
	shree Vinayaka nagar								
	1st main road								
		1	225.00	7.00	0.40	630.00			
	1st cross road from 1st main road to 3rd Main								
		1	80.00	5.60	0.40	179.20			
	2nd cross road from 3rd Main to Dead end								
		1	85.00	4.50	0.40	153.00			
	3rd cross road from 3rd Main to Dead end								
		1	77.00	4.60	0.40	141.68			
	4th cross road from 3rd Main to Dead end								
		1	102.00	5.50	0.40	224.40			
	Cross Road From 4th cross road to Dead end								
		1	20.00	4.70	0.40	37.60			
	Coconet Garden								
	1st cross Road								
		1	46.40	6.00	0.40	111.36			
	2nd cross Road								
		1	46.00	6.10	0.40	112.24			
	3rd cross Road								
		1	46.00	6.20	0.40	114.08			
	4th cross Road								
		1	56.00	6.60	0.40	147.84			
	5th cross Road								
		1	45.00	6.00	0.40	108.00			
	6th cross Road								
		1	35.00	6.00	0.40	84.00			
	1st cross Raja reddy layout								
		1	67.00	4.50	0.40	120.60			
	2nd cross Raja reddy layout								
		1	51.00	5.80	0.40	118.32			
	pepsi godown 2nd cross								

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
		1	70.00	5.40	0.40	151.20			
	8th cross soap Factory Layout								
		1	155.00	5.50	0.40	341.00			
				Total Qty		4983.71	Cum		
			As per Agreement Qty			3623.97	Cum	247.55	897113.77
			Upto 125% Qty			905.99	Cum	247.55	224278.44
			Above 125% Qty			453.75	Cum	247.55	112326.18
			Total Qty			4983.71	Cum		
3	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means .A. Lime Concrete, cement concrete grade M-10 a								
		Not Executed							
		Schedule B Qty				453.60	Cum	608.16	0.00
4	Plain cement concrete 1:3:6 mix with crushed stone aggregates 40mm nominal size mechanically mixed placed in foundation and compacted by vibration including curing complete as per specifications.								
		Not Executed							
		Schedule B Qty				113.40	Cum	4703.54	0.00
5	Providng and laying plain reinforcd cement concrete forside drain using m20 nominal mix concrete with opc at 300 kg with 20 mm and down size granite metel coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed								
		Not Executed							
		Schedule B Qty				510.30	Cum	7423.71	0.00
6	Providing T.M.T. steel reinforcement for R.C,C work including straightening. cutting. bending. hooking. placing in position. lapping and or welding wherever required tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) including cost of materaial ,labour , HOM complete as per specifications. MORTH specifications. No.1600 & 2200-do-TMT Bars Fe 500								
		Not Executed							
		Schedule B Qty				35.72	MT	77691.85	0.00
7	Providing & laying RCC Drain Slab of 100mm (DATA RATE)								
	Qty Vide Item No 1 Missing & Broken slabs					1227.33			
				Total Qty		1227.33	Sqm		
			As per Agreement Qty			1134.00	Sqm		
			As Per Executed Qty			1227.33	Sqm	2337.00	2868270.21
8	Construction of granular sub-base Grading-Vas Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision.								
	For New Road								
	shree Vinayaka nagar								
	1st main road								
		1	225.00	7.00	0.20	315.00			
	1st cross road from 1st main road to 3rd Main								
		1	80.00	5.60	0.20	89.60			
	2nd cross road from 3rd Main to Dead end								
		1	85.00	4.50	0.20	76.50			

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
	3rd cross road from 3rd Main to Dead end								
		1	77.00	4.60	0.20	70.84			
	4th cross road from 3rd Main to Dead end								
		1	102.00	5.50	0.20	112.20			
	Cross Road From 4th cross road to Dead end								
		1	20.00	4.70	0.20	18.80			
	Coconet Garden								
	1st cross Road								
		1	46.40	6.00	0.20	55.68			
	2nd cross Road								
		1	46.00	6.10	0.20	56.12			
	3rd cross Road								
		1	46.00	6.20	0.20	57.04			
	4th cross Road								
		1	56.00	6.60	0.20	73.92			
	5th cross Road								
		1	45.00	6.00	0.20	54.00			
	6th cross Road								
		1	35.00	6.00	0.20	42.00			
	1st cross Raja reddy layout								
		1	67.00	4.50	0.20	60.30			
	2nd cross Raja reddy layout								
		1	51.00	5.80	0.20	59.16			
	pepsi godown 2nd cross								
		1	70.00	5.40	0.20	75.60			
	8th cross soap Factory Layout								
		1	155.00	5.50	0.20	170.50			
				Total Qty		**1387.26**	**Cum**		
			As per Agreement Qty			**331.28**	**Cum**	**2094.67**	**693922.28**
			Upto 125% Qty			**82.82**	**Cum**	**2094.67**	**173480.57**
			Above 125%			**973.16**	**Cum**	**2094.67**	**2038445.16**
			Total Qty			**1387.26**			
9	**KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications.**								
	Manjunathanagara								
	Soap factory main road								
		1	908.00	6.80		6174.40			
	Coconet Garden								
	Main Road								
		1	141.00	6.00		846.00			
	8th cross Road manjunath Nagara								
		1	197.00	5.50		1083.50			
	pepsi godown 1st cross								
		1	140.00	6.00		840.00			
	pepsi godown 3rd cross								
		1	112.00	5.30		593.60			
			Total Qty			**9537.50**	**Sqm**		
			As per Agreement Qty			**9777.40**	**Sqm**		
			Balance Qty			**9537.50**	**Sqm**	**5.57**	**53123.88**
10	**Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406**								
	For Road Cutting								
	Manjunathanagara								

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
	Soap factory main road								
		2	908.00	0.90	0.20	326.88			
	shree Vinayaka nagar								
	1st main road								
		2	225.00	0.90	0.20	81.00			
	2nd main road								
		2	141.00	0.90	0.20	50.76			
	3rd main road								
		2	225.00	0.90	0.20	81.00			
	1st cross road from 1st main road to 3rd Main								
		2	80.00	0.90	0.20	28.80			
	2nd cross road from 3rd Main to Dead end								
		2	85.00	0.90	0.20	30.60			
	3rd cross road from 3rd Main to Dead end								
		2	77.00	0.90	0.20	27.72			
	4th cross road from 3rd Main to Dead end								
		2	102.00	0.90	0.20	36.72			
	Cross Road From 4th cross road to Dead end								
		2	20.00	0.90	0.20	7.20			
	Coconet Garden								
	Main Road								
		2	141.00	0.90	0.15	38.07			
	1st cross Road								
		2	46.40	0.90	0.15	12.53			
	2nd cross Road								
		2	46.00	0.90	0.15	12.42			
	3rd cross Road								
		2	46.00	0.90	0.15	12.42			
	4th cross Road								
		2	56.00	0.90	0.15	15.12			
	5th cross Road								
		2	45.00	0.90	0.15	12.15			
	6th cross Road								
		2	35.00	0.90	0.15	9.45			
	8th cross Road manjunath Nagara								
		2	197.00	0.90	0.15	53.19			
	pepsi godown 1st cross								
		2	140.00	0.90	0.15	37.80			
	pepsi godown 3rd cross								
		2	112.00	0.90	0.15	30.24			
	For New Road								
	shree Vinayaka nagar								
	1st main road								
		1	225.00	7.00	0.20	315.00			
	1st cross road from 1st main road to 3rd Main								
		1	80.00	5.60	0.20	89.60			
	2nd cross road from 3rd Main to Dead end								
		1	85.00	4.50	0.20	76.50			
	3rd cross road from 3rd Main to Dead end								
		1	77.00	4.60	0.20	70.84			
	4th cross road from 3rd Main to Dead end								
		1	102.00	5.50	0.20	112.20			
	Cross Road From 4th cross road to Dead end								
		1	20.00	4.70	0.20	18.80			
	Coconet Garden								
	1st cross Road								
		1	46.40	6.00	0.20	55.68			
	2nd cross Road								

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
		1	46.00	6.10	0.20	56.12			
	3rd cross Road								
		1	46.00	6.20	0.20	57.04			
	4th cross Road								
		1	56.00	6.60	0.20	73.92			
	5th cross Road								
		1	45.00	6.00	0.20	54.00			
	6th cross Road								
		1	35.00	6.00	0.20	42.00			
	1st cross Raja reddy layout								
		1	67.00	4.50	0.20	60.30			
	2nd cross Raja reddy layout								
		1	51.00	5.80	0.20	59.16			
	pepsi godown 2nd cross								
		1	70.00	5.40	0.20	75.60			
	8th cross soap Factory Layout								
		1	155.00	5.50	0.20	170.50			
			Total Qty			2291.33	Cum		
			As per Agreement Qty			1249.80	Cum	2101.34	2626254.73
			Upto 125% Qty			312.45	Cum	2101.34	656563.68
			Above 125% Qty			729.08	Cum	2101.34	1532043.68
			Total Qty			2291.33	Cum		
11	**Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502**								
	Road Cutting								
	Manjunathanagara								
	Soap factory main road								
		2	908.00	0.90		1634.40			
	shree Vinayaka nagar								
	1st main road								
		2	225.00	0.90		405.00			
	2nd main road								
		2	141.00	0.90		253.80			
	3rd main road								
		2	225.00	0.90		405.00			
	1st cross road from 1st main road to 3rd Main								
		2	80.00	0.90		144.00			
	2nd cross road from 3rd Main to Dead end								
		2	85.00	0.90		153.00			
	3rd cross road from 3rd Main to Dead end								
		2	77.00	0.90		138.60			
	4th cross road from 3rd Main to Dead end								
		2	102.00	0.90		183.60			
	Cross Road From 4th cross road to Dead end								
		2	20.00	0.90		36.00			
	Coconet Garden								
	Main Road								
		2	141.00	0.90		253.80			
	1st cross Road								
		2	46.40	0.90		83.52			
	2nd cross Road								
		2	46.00	0.90		82.80			
	3rd cross Road								
		2	46.00	0.90		82.80			
	4th cross Road								
		2	56.00	0.90		100.80			
	5th cross Road								

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
		2	45.00	0.90		81.00			
	6th cross Road								
		2	35.00	0.90		63.00			
	8th cross Road manjunath Nagara								
		2	197.00	0.90		354.60			
	pepsi godown 1st cross								
		2	140.00	0.90		252.00			
	pepsi godown 3rd cross								
		2	112.00	0.90		201.60			
	For New Road								
	shree Vinayaka nagar								
	1st main road								
		1	225.00	7.00		1575.00			
	1st cross road from 1st main road to 3rd Main								
		1	80.00	5.60		448.00			
	2nd cross road from 3rd Main to Dead end								
		1	85.00	4.50		382.50			
	3rd cross road from 3rd Main to Dead end								
		1	77.00	4.60		354.20			
	4th cross road from 3rd Main to Dead end								
		1	102.00	5.50		561.00			
	Cross Road From 4th cross road to Dead end								
		1	20.00	4.70		94.00			
	Coconet Garden								
	1st cross Road								
		1	46.40	6.00		278.40			
	2nd cross Road								
		1	46.00	6.10		280.60			
	3rd cross Road								
		1	46.00	6.20		285.20			
	4th cross Road								
		1	56.00	6.60		369.60			
	5th cross Road								
		1	45.00	6.00		270.00			
	6th cross Road								
		1	35.00	6.00		210.00			
	1st cross Raja reddy layout								
		1	67.00	4.50		301.50			
	2nd cross Raja reddy layout								
		1	51.00	5.80		295.80			
	pepsi godown 2nd cross								
		1	70.00	5.40		378.00			
	8th cross soap Factory Layout								
		1	155.00	5.50		852.50			
			Total Qty			**11845.62**	**Sqm**		
			As per Agreement Qty			**5433.90**	**Sqm**	**31.16**	**169320.32**
			Upto 125% Qty			**1358.48**	**Sqm**	**31.16**	**42330.08**
			Above 125% Qty			**5053.25**	**Sqm**	**35.62**	**179976.37**
			Total Qty			**11845.62**	**Sqm**		
12	**KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting thehot mix to worksite, laying to the required grade, level and alignment, rolling with, smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications. MORTH Specification No. 507**								
	For Road cutting								
	Manjunathanagara								
	Soap factory main road								
		2	908.00	0.90	0.05	81.72			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
	shree Vinayaka nagar								
	1st main road								
		2	225.00	0.90	0.05	20.25			
	2nd main road								
		2	141.00	0.90	0.05	12.69			
	3rd main road								
		2	225.00	0.90	0.05	20.25			
	1st cross road from 1st main road to 3rd Main								
		2	80.00	0.90	0.05	7.20			
	2nd cross road from 3rd Main to Dead end								
		2	85.00	0.90	0.05	7.65			
	3rd cross road from 3rd Main to Dead end								
		2	77.00	0.90	0.05	6.93			
	4th cross road from 3rd Main to Dead end								
		2	102.00	0.90	0.05	9.18			
	Cross Road From 4th cross road to Dead end								
		2	20.00	0.90	0.05	1.80			
	Coconet Garden								
	Main Road								
		2	141.00	0.90	0.05	12.69			
	1st cross Road								
		2	46.40	0.90	0.05	4.18			
	2nd cross Road								
		2	46.00	0.90	0.05	4.14			
	3rd cross Road								
		2	46.00	0.90	0.05	4.14			
	4th cross Road								
		2	56.00	0.90	0.05	5.04			
	5th cross Road								
		2	45.00	0.90	0.05	4.05			
	6th cross Road								
		2	35.00	0.90	0.05	3.15			
	1st cross Raja reddy layout								
		2	67.00	0.90	0.05	6.03			
	2nd cross Raja reddy layout								
		2	51.00	0.90	0.05	4.59			
	pepsi godown 2nd cross								
		2	70.00	0.90	0.05	6.30			
	8th cross Road manjunath Nagara								
		2	197.00	0.90	0.05	17.73			
	pepsi godown 1st cross								
		2	140.00	0.90	0.05	12.60			
	pepsi godown 3rd cross								
		2	112.00	0.90	0.05	10.08			
	For New Road								
	shree Vinayaka nagar								
	1st main road								
		1	225.00	7.00	0.05	78.75			
	1st cross road from 1st main road to 3rd Main								
		1	80.00	5.60	0.05	22.40			
	2nd cross road from 3rd Main to Dead end								
		1	85.00	4.50	0.05	19.13			
	3rd cross road from 3rd Main to Dead end								
		1	77.00	4.60	0.05	17.71			
	4th cross road from 3rd Main to Dead end								
		1	102.00	5.50	0.05	28.05			
	Cross Road From 4th cross road to Dead end								
		1	20.00	4.70	0.05	4.70			
	Coconet Garden								

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
	1st cross Road								
		1	46.40	6.00	0.05	13.92			
	2nd cross Road								
		1	46.00	6.10	0.05	14.03			
	3rd cross Road								
		1	46.00	6.20	0.05	14.26			
	4th cross Road								
		1	56.00	6.60	0.05	18.48			
	5th cross Road								
		1	45.00	6.00	0.05	13.50			
	6th cross Road								
		1	35.00	6.00	0.05	10.50			
	1st cross Raja reddy layout								
		1	67.00	4.50	0.05	15.08			
	2nd cross Raja reddy layout								
		1	51.00	5.80	0.05	14.79			
	pepsi godown 2nd cross								
		1	70.00	5.40	0.05	18.90			
	8th cross soap Factory Layout								
		1	155.00	5.50	0.05	42.63			
			Total Qty			609.20	Cum		
			As per Agreement Qty			488.88	Cum	6690.24	3270724.53
			Upto 125% Qty			120.32	Cum	6690.24	804976.37
			Total Qty			609.20	Cum		
13	**KSRRB 500-9. Providing and applying tack coat using 80/100 grade Sqm bitumen(VG10) on granular base such as WBM surfaces hot bitumen primed at 4 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5**								
	Manjunathanagara								
	Soap factory main road								
		1	908.00	6.80		6174.40			
	Coconet Garden								
	Main Road								
		1	141.00	6.00		846.00			
	For New Road								
	shree Vinayaka nagar								
	1st main road								
		1	225.00	7.00		1575.00			
	1st cross road from 1st main road to 3rd Main								
		1	80.00	5.60		448.00			
	2nd cross road from 3rd Main to Dead end								
		1	85.00	4.50		382.50			
	3rd cross road from 3rd Main to Dead end								
		1	77.00	4.60		354.20			
	4th cross road from 3rd Main to Dead end								
		1	102.00	5.50		561.00			
	Cross Road From 4th cross road to Dead end								
		1	20.00	4.70		94.00			
	Coconet Garden								
	1st cross Road								
		1	46.40	6.00		278.40			
	2nd cross Road								
		1	46.00	6.10		280.60			
	3rd cross Road								
		1	46.00	6.20		285.20			
	4th cross Road								
		1	56.00	6.60		369.60			
	5th cross Road								

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
		1	45.00	6.00		270.00			
	6th cross Road								
		1	35.00	6.00		210.00			
	1st cross Raja reddy layout								
		1	67.00	4.50		301.50			
	2nd cross Raja reddy layout								
		1	51.00	5.80		295.80			
	pepsi godown 2nd cross								
		1	70.00	5.40		378.00			
	8th cross Road manjunath Nagara								
		1	197.00	5.50		1083.50			
	pepsi godown 1st cross								
		1	140.00	6.00		840.00			
	pepsi godown 3rd cross								
		1	112.00	5.30		593.60			
	8th cross soap Factory Layout								
		1	155.00	5.50		852.50			
			Total Qty			**16473.80**	**Sqm**		
			As per Agreement Qty			**26433.80**	**Sqm**		
			As Per Executed Qty			**16473.80**	**Sqm**	**13.36**	**220089.97**
14	**KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509**								
	Manjunathanagara								
	Soap factory main road								
		1	908.00	6.80	0.04	246.98			
	Coconet Garden								
	Main Road								
		1	141.00	6.00	0.04	33.84			
	For New Road								
	shree Vinayaka nagar								
	1st main road								
		1	225.00	7.00	0.04	63.00			
	1st cross road from 1st main road to 3rd Main								
		1	80.00	5.60	0.04	17.92			
	2nd cross road from 3rd Main to Dead end								
		1	85.00	4.50	0.04	15.30			
	3rd cross road from 3rd Main to Dead end								
		1	77.00	4.60	0.04	14.17			
	4th cross road from 3rd Main to Dead end								
		1	102.00	5.50	0.04	22.44			
	Cross Road From 4th cross road to Dead end								
		1	20.00	4.70	0.04	3.76			
	Coconet Garden								
	1st cross Road								
		1	46.40	6.00	0.04	11.14			
	2nd cross Road								
		1	46.00	6.10	0.04	11.22			
	3rd cross Road								
		1	46.00	6.20	0.04	11.41			
	4th cross Road								
		1	56.00	6.60	0.04	14.78			
	5th cross Road								
		1	45.00	6.00	0.04	10.80			
	6th cross Road								

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
		1	35.00	6.00	0.04	8.40			
	1st cross Raja reddy layout								
		1	67.00	4.50	0.04	12.06			
	2nd cross Raja reddy layout								
		1	51.00	5.80	0.04	11.83			
	pepsi godown 2nd cross								
		1	70.00	5.40	0.04	15.12			
	8th cross Road manjunath Nagara								
		1	197.00	5.50	0.04	43.34			
	pepsi godown 1st cross								
		1	140.00	6.00	0.04	33.60			
	pepsi godown 3rd cross								
		1	112.00	5.30	0.04	23.74			
	8th cross soap Factory Layout								
		1	155.00	5.50	0.04	34.10			
			Total Qty			658.95	Cum		
			As per Agreement Qty			528.68	Cum	8656.91	4576735.18
			As Per Executed Qty			130.27	Cum	8656.91	1127752.98
			Total Qty			658.95	Cum		
15	**KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803**								
	Manjunathanagara								
	Soap factory main road								
		2	908.00	0.10		181.60			
	Coconet Garden								
	Main Road								
		2	141.00	0.10		28.20			
	For New Road								
	shree Vinayaka nagar								
	1st main road								
		2	225.00	0.10		45.00			
	1st cross road from 1st main road to 3rd Main								
		2	80.00	0.10		16.00			
	2nd cross road from 3rd Main to Dead end								
		2	85.00	0.10		17.00			
	3rd cross road from 3rd Main to Dead end								
		2	77.00	0.10		15.40			
	4th cross road from 3rd Main to Dead end								
		2	102.00	0.10		20.40			
	Cross Road From 4th cross road to Dead end								
		2	20.00	0.10		4.00			
	Coconet Garden								
	1st cross Road								
		2	46.40	0.10		9.28			
	2nd cross Road								
		2	46.00	0.10		9.20			
	3rd cross Road								
		2	46.00	0.10		9.20			
	4th cross Road								
		2	56.00	0.10		11.20			
	5th cross Road								
		2	45.00	0.10		9.00			
	6th cross Road								
		2	35.00	0.10		7.00			
	1st cross Raja reddy layout								

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No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
	2nd cross Raja reddy layout	2	67.00	0.10		13.40			
	pepsi godown 2nd cross	2	51.00	0.10		10.20			
	8th cross Road manjunath Nagara	2	70.00	0.10		14.00			
	pepsi godown 1st cross	2	197.00	0.10		39.40			
	pepsi godown 3rd cross	2.5	140.00	0.10		35.00			
	8th cross soap Factory Layout	2.5	112.00	0.10		28.00			
		2.5	155.00	0.10		38.75			
			Total Qty			561.23	Sqm		
			As per Agreement Qty			572.25	Sqm		
			Executied Qty			561.23	Sqm	477.48	267976.10
								Actual Cost	22966002.95
								As Per Tender Cost	22966761.00

Assistant Engineer
Ward No.14

Asst. Executive Engineer,
Dasarahalli Sub division

Executive Engineer,
Dasarahalli Division

Technically Sanctione for Rs. 22966144/-

Rs. In words Rupees Two Crores Ninety Six Thousand One Hundred Forty Four Only

Under ..... 12-2415 .....

Job Code No. 014-19-000025

Registered as CE No. 65/21-22 Subject to conditions contained in Enclosed Memo No. CE/12/TS/GS/2021-22 dt. 30/03/2022.

AE/JE TA CE(D)

BRUHAT BANGALORE MAHANAGARA PALIKE

RATE ANALYSIS

Name of Work: Asphalting to roads at Manjunathanagara and surrounding areas in Ward No. 14 Bagalagunte

(Based on Schedule of Rates for the year 2018-19 PW,P&IWTD Bangalore Circle)

Sl No	Description of work	Unit	Page No	Item No	Basic Rate in Rs.	Lead for 10Km	AW 6%	Total Rate in Rs	T. P @ +5% in Rs	Final Rate in Rs
	2	3	4	5	6	7	8	9	10	11
	EIRL ITEMS									
1	Removing and refixing stone slabs of drains and Pointing in CM (1:3)	Sqm	27	5.33	105.00		6.30	111.30	5.57	116.87
2	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter	Cum	143	19.1	130.00	92.42	13.35	235.77	11.79	247.55
3	Providing & laying RCC Drain Slab of 100mm (DATA RATE)	Sqm	Approved data Rate							2337.00
4	Construction of granular sub-base Grading-Vas Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision.	Cum	153	20.5	1882.00		112.92	1994.92	99.75	2094.67
5	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications.	Sqm	158	21.2	5.00		0.30	5.30	0.27	5.57
6	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface	Cum	155	20.18	1888.00		113.28	2001.28	100.06	2101.34
7	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502	Sqm	158	21.6	32.00		1.92	33.92	1.70	35.62
8	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting thehot mix to worksite, laying to the required grade, level and alignment, rolling with, smooth wheeled, vibratory and tandem rollers to achieve	Cum	160	21.17.3	7426.00		445.56	7871.56	393.58	8265.14
9	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509	Cum	162	21.23.4	9663.00		579.78	10242.78	512.14	10754.92

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10	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803	Sqm	182	24.15	429.00		25.74	454.74	22.74	477.48

Assistant Engineer
Ward No 14
BBMP

Assistant Executive Engineer
Dasarahalli Sub Division
BBMP

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ಪಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾ.ಮ.ಗುಂ.ಪಾ. ಪಾ.ಪಾ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073

Executive Engineer
Dasarahalli Division
BBMP

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